查询RS20供应商

GOOD-ARK

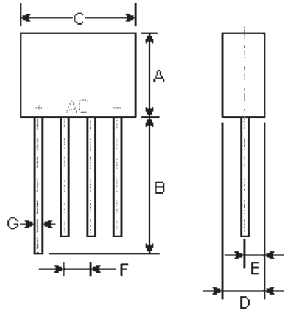
RS201 THRU RS207

SINGLE-PHASE SILICON BRIDGE
Reverse Voltage - 50 to 1000 Volts
Forward Current - 2.0 Amperes

Features

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any
- Lead: Silver plated copper lead

RS-2



DIMENSIONS					
DIM	inches		mm		Note
	Min.	Max.	Min.	Max.	
A	-	0.504	-	12.8	
B	0.75	-	19.0	-	
C	-	0.693	-	17.6	
D	-	0.25	-	6.4	
E	-	0.125	-	3.2	
F	-	0.15	-	3.8	
G	0.32 Typ.		0.8 Typ.		ϕ

Maximum Ratings and Electrical Characteristics

Ratings at 25℃ ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.
For capacitive load, derate current by 20%.

	Symbols	RS201	RS202	RS203	RS204	RS205	RS206	RS207	Units
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS bridge input voltage	V_{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified output current at T_A=50℃	$I_{(AV)}$	2.0							Amps
Peak forward surge current, 8.3mS single half sine-wave superimposed on rated load	I_{FSM}	50.0							Amps
Maximum forward Voltage drop per bridge element at 1.0A peak	V_F	1.0							Volt
Maximum DC reverse current at rated DC blocking voltage per element	I_R	10.0							μ A
Maximum DC reverse current at rated DC blocking voltage per element T_A=100℃	I_R	1.0							mA
Operating temperature range	T_J	-55 to +125							℃
Storage temperature range	T_{STG}	-55 to +150							℃

RATINGS AND CHARACTERISTIC CURVES

Fig. 1—DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

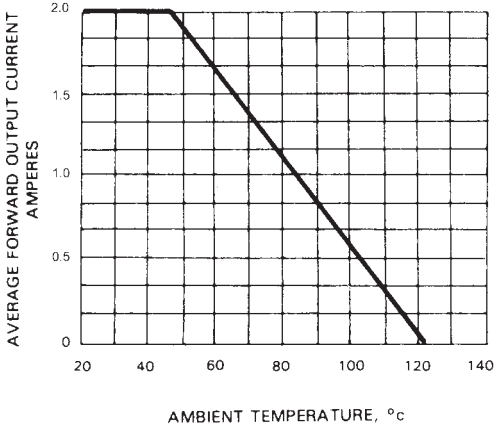


Fig. 2 — DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

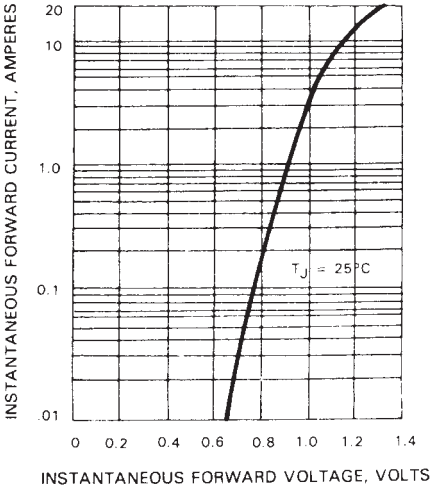


Fig. 3 — TYPICAL FORWARD CHARACTERISTICS

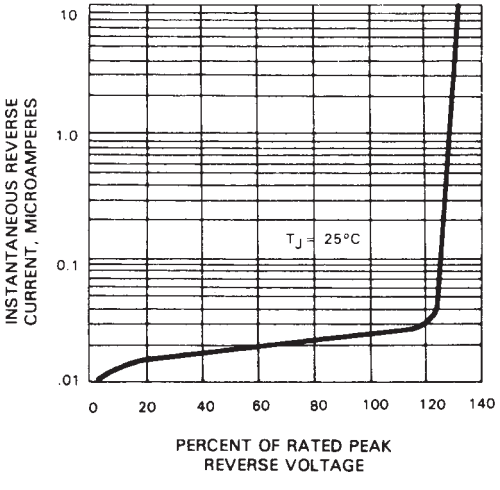


Fig. 4 — MAXIMUM FORWARD SURGE CURRENT